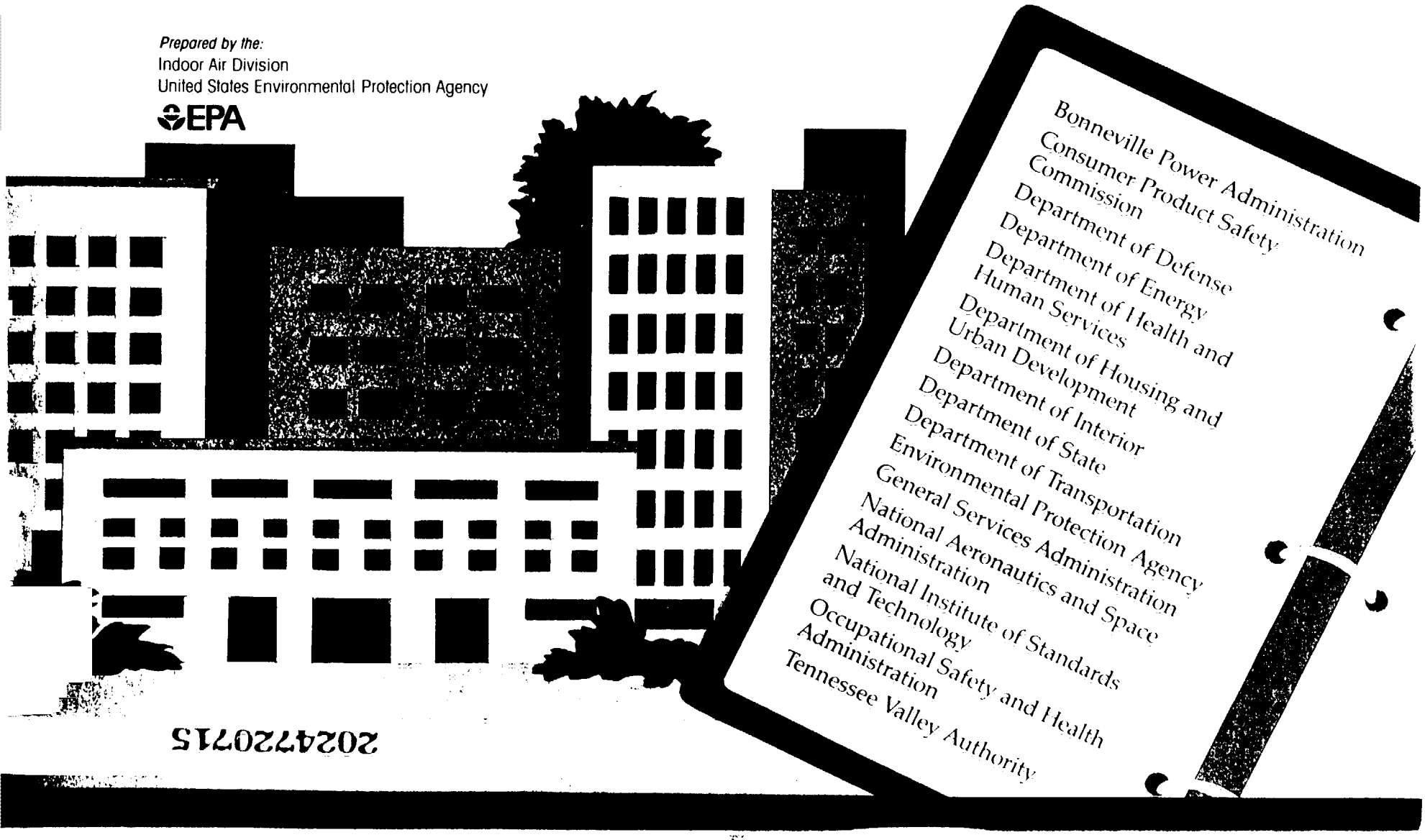
CIAQ
Interagency Committee on Indoor Air Quality

400/B 92/003
April 1992

Current Federal Indoor Air Quality Activities

Prepared by the:
Indoor Air Division
United States Environmental Protection Agency
EPA



Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ABOUT THIS PUBLICATION

In 1988, EPA started to periodically compile and publish a list of the indoor air quality activities currently being undertaken by Federal agencies. This publication is the 1992 update of that list.

Title IV of the Superfund Amendments and Reauthorization Act (SARA) of 1986 requires EPA to establish a committee comprised of the Federal agencies concerned with various aspects of indoor air quality (IAQ) and to coordinate Federal IAQ activities. The CIAQ functions as the primary Federal coordination mechanism for indoor air.

Through the CIAQ, each Federal agency is asked to supply an update of its present and ongoing research, policy, and program development activities in the field of indoor air quality. The responses to that request make up the content of this publication. The primary purpose of compiling this information is to provide individuals in the Federal community with a useful tool for coordinating their activities at the project level. This publication has proven to be useful to many individuals and organizations outside the Federal government as well.

For each agency, the major indoor air activities are identified, along with a brief description of the activity, its current status and/or projected completion date, the agency/office responsible, and a contact name and phone number. In addition, this update of the list also includes a section listing the indoor air related publications for the public that are available from Federal agencies.

The information for this chart was complied by the Indoor Air Division, Office of Air and Radiation (6203J), U.S. Environmental Protection Agency, 401 M Street S.W., Washington, D.C. 20460.

PLEASE NOTE:

THE INFORMATION CONTAINED IN THIS PUBLICATION WAS CURRENT AS OF FEBRUARY 1992. HOWEVER, ALL INFORMATION SHOULD BE CONSIDERED SUBJECT TO CHANGE WITHOUT NOTICE. FOR THE MOST CURRENT INFORMATION, INDIVIDUALS LISTED FOR EACH PROJECT SHOULD BE CONTACTED DIRECTLY.

2024720716

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

TABLE OF CONTENTS

Glossary of Names and Acronyms of Federal Government Agencies/Offices (CIAQ Members) 3
Other Acronyms/Abbreviations 6

Activities of the CIAQ Co-Chairs:

U.S. Environmental Protection Agency 8
U.S. Consumer Product Safety Commission 38
U.S. Department of Energy 41
U.S. Department of Health and Human Services 51
U.S. Department of Labor (Occupational Safety and Health Administration) 56

Activities of the CIAQ Member Agencies:

Bonneville Power Administration (U.S. Department of Energy) 57
General Services Administration 58
National Aeronautics and Space Administration 60
Tennessee Valley Authority 61
U.S. Department of Commerce (National Institute of Standards and Technology) 62
U.S. Department of Defense 64
U.S. Department of Housing and Urban Development 65
U.S. Department of the Interior 67
U.S Department of State 69
U.S. Department of Transportation 70

Publications of CIAQ Agencies:

U.S. Environmental Protection Agency 71
U.S. Consumer Product Safety Commission 73
U.S. Department of Health and Human Services 74
U.S. Department of Housing and Urban Development 75
Bonneville Power Administration 76
Tennessee Valley Authority 76

20247207171

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

GLOSSARY OF NAMES AND ACRONYMS OF FEDERAL GOVERNMENT AGENCIES/OFFICES (CIAQ MEMBERS)

CIAQ	Interagency Committee on Indoor Air Quality

CIAQ Co-Chair Agencies:

EPA	**U.S. ENVIRONMENTAL PROTECTION AGENCY**
OA	Office of Administrator
OARM	**Office of Administration and Resource Management**
SHEMD	Safety, Health, and Environmental Management Division
OAR	**Office of Air and Radiation**
OAIAP	Office of Atmospheric and Indoor Air Programs
IAD	Indoor Air Division
ORP	Office of Radiation Programs
ORD	**Office of Research and Development**
AEERL	Air and Energy Engineering Research Laboratory
AREAL	Atmospheric Research and Exposure Assessment Laboratory
ECAO	Environmental Criteria and Assessment Office
EMSL-CINTI	Environmental Monitoring and Systems Laboratory - Cincinnati, OH
EMSL-LV	Environmental Monitoring and Systems Laboratory - Las Vegas, NV
HERL	Health Effects Research Laboratory
HHAG	Human Health Assessment Group
OEETD	Office of Environmental Engineering and Technology Demonstration
OHEA	Office of Health and Environmental Management
OMMSQA	Office of Modeling, Monitoring Systems, and Quality Assurance
OTTRS	Office of Technology Transfer and Regulatory Support
RREL	Risk Reduction Engineering Laboratory
OPPTS	**Office of Prevention, Pesticides and Toxic Substances**
OPPT	Office of Pollution Prevention and Toxics
OPP	Office of Pesticide Programs
OW	**Office of Water**
OGWDW	Office of Ground Water and Drinking Water
OPPE	**Office of Policy and Program Evaluation**
OPA	Office of Policy Analysis
ORME	Office of Regulatory Management Evaluation
ERAB	Economics Analysis and Research Branch
PIC	**Public Information Center**
CPSC	**U.S. CONSUMER PRODUCT SAFETY COMMISSION**

2024720718

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

GLOSSARY OF NAMES AND ACRONYMS OF FEDERAL GOVERNMENT AGENCIES/OFFICES (continued)
(CIAQ MEMBERS)

DOE	**U.S. DEPARTMENT OF ENERGY**
PE	Policy, Planning, and Analysis
OEA	Office of Environmental Analysis
CE	Conservation and Renewable Energy
OBT	Office of Building Technologies
ER	Energy Research
OHER	Office of Health and Environmental Research
ORAW	Office of Remedial Action and Waste
LBL	Lawrence Berkeley Laboratory
DHHS	**U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES**
CDC	**Centers for Disease Control**
NCEHIC	National Center for Environmental Health and Injury Control
NCCDPHP	National Center for Chronic Diseases Prevention and Health Promotion
NIOSH	National Institute for Occupational Safety and Health
OSH	Office on Smoking and Health
NCHS	National Center for Health Statistics
NIH	**National Institutes of Health**
NIEHS	National Institute of Environmental Health Sciences
NIAID	National Institute of Allergy and Infectious Diseases
NCI	National Cancer Institute
NHLBI	National Heart, Lung and Blood Institute
NIDR	National Institute of Dental Research
HRSA	Health Resources Services Administration
DFOBSH	Division of Federal Employee Occupational Beneficiary Health Services
ATSDR	**Agency for Toxic Substances and Disease Registry**
DOL	**U.S. DEPARTMENT OF LABOR**
OSHA	Occupational Safety and Health Administration

Other Federal Agencies:

BPA	**BONNEVILLE POWER ADMINISTRATION**
DOC	**U.S. DEPARTMENT OF COMMERCE**
NIST	National Institute of Standards and Technology (formerly the National Bureau of Standards)

2024720719

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

GLOSSARY OF NAMES AND ACRONYMS OF FEDERAL GOVERNMENT AGENCIES/OFFICES (continued)
(CIAQ MEMBERS)

DOD	**U.S. DEPARTMENT OF DEFENSE**
DOA	Department of the Army
DON	Department of the Navy
USAF	U.S. Air Force
OEHL	Occupational and Environmental Health Laboratory
DOI	**U.S. DEPARTMENT OF INTERIOR**
NPS	National Park Service
USGS	U.S. Geological Survey
DOS	**U.S. DEPARTMENT OF STATE**
DOT	**U.S. DEPARTMENT OF TRANSPORTATION**
OST	Office of the Secretary of Transportation
GSA	**GENERAL SERVICES ADMINISTRATION**
NCR	National Capital Region
HUD	**U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT**
NASA	**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**
TVA	**TENNESSEE VALLEY AUTHORITY**

20247207220

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

OTHER ACRONYMS/ABBREVIATIONS

ALA	American Lung Association
ASHRAE	American Society of Heating, Refrigerating, and Air-Conditioning Engineers
ASTM	American Society for Testing and Materials
CO	Carbon Monoxide
CEC	Commission of European Communities
CIRRPC	Committee for Interagency Radiation Research and Policy Coordination
ETS	Environmental Tobacco Smoke
FDA	Food and Drug Administration
FHA	Federal Housing Administration
HSIA	Halogenated Solvents Industry Association
HVAC	Heating, Ventilating, and Air Conditioning
IAP	Indoor Air Pollution
IAQ	Indoor Air Quality
IAQIV	Indoor Air Quality and Infiltration/Ventilation
MCLs	Maximum Contaminant Levels
MOU	Memorandum of Understanding
NEA	National Education Association
NESHAPs	National Emission Standards for Hazardous Air Pollutants
NHANES III	Third National Health and Nutrition Examination Survey
NO_2	Nitrogen Dioxide
NPTN	National Pesticide Telecommunications Network
PAHs	Polycyclic Aromatic Hydrocarbons
pCi/l	Picocuries per liter
PTA	Parents and Teachers Association
RH	Relative Humidity
SARA	Superfund Amendments and Reauthorization Act of 1986

2024720721

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

OTHER ACRONYMS/ABBREVIATIONS (continued)

SBS	Sick Building Syndrome
SVOCs	Semivolatile Organic Chemicals
TEAM	Total Exposure Assessment Methodology
UL	Underwriters' Laboratory
VOCs	Volatile Organic Chemicals

2024720722

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

INDOOR AIR ACTIVITIES WITHIN THE U.S. ENVIRONMENTAL PROTECTION AGENCY

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
CONSOLIDATED INDOOR AIR ACTIVITIES				
Overview and Coordination				
CIAQ Co-chair	Coordinate Federal research and policy on indoor air quality and related issues.	Ongoing.	EPA/OAR/OAIAP/IAD	Bob Axelrad (202) 233-9030 (FTS) 233-9030
Policy Development				
IAQ Interdisciplinary Forum	Conduct "consensus-building negotiations" with all major interest groups to improve professional education, training, and credentialing programs for IAQ diagnostics and mitigation professionals.	Profiles of professions and occupations related to their role in IAQ being developed for future publication. Draft to be completed: 10/92.	EPA/OAR/OAIAP/IAD	David Mudarri (202) 233-9053 (FTS) 233-9053
Research Plan on Multiple Chemical Sensitivity	Provide funding to the National Academy of Sciences to define research needs on the issue of multiple chemical sensitivity.	Final NAS report anticipated: Spring 1992.	EPA/OAR/OAIAP/IAD	Pauline Johnston (202) 233-9051 (FTS) 233-9051
Health Effects of Indoor Allergens	Provide funding to the National Academy of Sciences to prepare a committee report on the health effects of allergens in indoor air.	Final NAS report anticipated: 1/93.	EPA/OAR/OAIAP/IAD	Pauline Johnston (202) 233-9051 (FTS) 233-9051
Buildings Program				
Building Assessment, Survey, and Evaluation (BASE) Program for Public and Commercial Office Buildings (w/ORD)	Development of a standardized protocol and the collection of data characterizing public and commercial buildings. Data will assist in determining and prioritizing indoor air research needs and actions.	Anticipated completion date for preliminary phase, pilot testing, and protocol: Summer 1992. Regional building studies to begin: Winter 1992.	EPA/OAR/OAIAP/IAD	John Girman (202) 233-9317 (FTS) 233-9317 Bob Thompson (202) 233-9056 (FTS) 233-9056
Introduction to IAQ and New Home Construction	Provide guidance on techniques to prevent IAQ problems in the construction of new homes.	Draft to be completed: Summer 1992. Final anticipated for completion: Winter 1992/1993.	EPA/OAR/OAIAP/IAD	Betsy Agle (202) 233-9046 (FTS) 233-9046

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Primer for Prevention of IAQ Problems in New and Remodelled Public and Commercial Buildings	Provide guidance on preventing IAQ problems in new public and commercial buildings.	Draft manual released: Winter 1991. Anticipated date for final manual: Summer 1992.	EPA/OAR/OAIAP/IAD	Bob Thompson (202) 233-9056 (FTS) 233-9056
Model School Indoor Air Quality Management Plan	Develop model school IAQ management plan for schools.	Draft manual anticipated: Spring 1992. Completion scheduled for: Fall 1992.	EPA/OAR/OAIAP/IAD	Bob Thompson (202) 233-9056 (FTS) 233-9056
Demonstration Home	Demonstrate practices leading to good IAQ and energy efficiency for residential homes based on practical application of current knowledge, products, and technologies.	Anticipated project commencement: Fall 1992.	EPA/OAR/OAIAP/IAD	Bob Thompson (202) 233-9056 (FTS) 233-9056
Private Sector Survey	Identify and characterize private sector firms providing IAQ diagnostic and mitigation services.	Revision of 1988 survey underway. Distribution of questionnaire anticipated to begin: late Spring 1992. To obtain a questionnaire when it becomes available, write IAQ Survey, c/o ICF Inc., 9300 Lee Highway, Room 1073, Fairfax, VA 22031-1207 or call 1-800-452-9561.	EPA/OAR/OAIAP/IAD	David Mudarri (202) 233-9053 (FTS) 233-9053
Cost of IAQ Controls in Commercial Buildings	Assess energy and non-energy costs of controlling indoor air pollution.	Conceptual methodology complete. Initial data report scheduled: 9/92.	EPA/OAR/OAIAP/IAD	David Mudarri (202) 233-9053 (FTS) 233-9053
Pollutant/Source Program				
Environmental Tobacco Smoke: Assessment of Lung Cancer in Adults and Respiratory Disorders in Children (w/ORD)	Issue an EPA assessment of risk of lung cancer in adults and respiratory symptoms in children from exposure to environmental tobacco smoke.	Draft released: 6/90. Anticipated completion date: Summer 1992.	EPA/ORD/HHAG EPA/OAR/OAIAP/IAD	Steve Bayard (202) 260-5722 (FTS) 260-5722 Bob Axelrad (202) 233-9030 (FTS) 233-9030
Environmental Tobacco Smoke: A Guide to Smoking Policies (w/DHHS)	Provide technical and policy guidance for reducing risks from environmental tobacco smoke in the workplace.	Draft released: 6/90. Anticipated completion date: Spring 1992.	EPA/OAR/OAIAP/IAD	Bob Axelrad (202) 233-9030 (FTS) 233-9030

20247207724

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Indoor Air Source Characterization Project (w/OPPT)	Characterize emissions from materials used indoors and determine their impact on indoor air quality.	In progress.	EPA/OAR/IAD (joint lead w/OPPT)	Pauline Johnston (202) 233-9051 (FTS) 233-9051 Christina Cinalli (202) 260-2913 (FTS) 260-2913
Intergovernmental Program				
Quarterly CIAQ Meetings (w/CPSC, DOE, NIOSH, OSHA)	Share information on public and private sector actions that affect indoor air. Promote coordination of relevant Federal policies and activities.	Quarterly meetings held in January, April, July, and October.	EPA/OAR/OAIAP/IAD	Betsy Agle (202) 233-9046 (FTS) 233-9046
Federal Indoor Air Quality Activities	Issue publication that describes current Federal IAQ activities for use by government officials and private sector.	Published since 1988. (See publications section for information on availability.)	EPA/OAR/OAIAP/IAD	Betsy Agle (202) 233-9046 (FTS) 233-9046
IAQ Orientation Training	Deliver 2½-day introductory IAQ course targeted to Federal, State, and local government employees. Includes health effects, building dynamics, and principles of diagnosis and mitigation.	Completed. Being delivered at EPA Regional Training Centers and offices.	EPA/OAR/OAIAP/IAD	Camille Lee (202) 233-9052 (FTS) 233-9052
NATO-CCMS Pilot Study	Explore and inventory research and risk management strategies of member countries.	Proceedings of 3 meetings available. Inventory of risk management strategies underway.	EPA/OAR/OAIAP/IAD	Elissa Feldman (202) 233-9316 (FTS) 233-9316
Public Information and Outreach Program				
IAQ Information Center	Provide information on technical and non-technical aspects of IAQ to the scientific and business communities, all levels of government, and the general public.	Under development; expected to be operational: Spring 1992.	EPA/OAR/OAIAP/IAD	Susan Dolgin (202) 233-9048 (FTS) 233-9048
Publication and Distribution of IAQ Materials	Develop appropriate written materials that describe indoor air quality problems and mitigation/prevention actions for the general public.	See publications section.	EPA/OAR/OAIAP/IAD	Elissa Feldman (202) 233-9316 (FTS) 233-9316

20247207225

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Promotion of *Building Air Quality* (IAQ Guidance for Existing Public and Commercial Buildings)	Implement plan for publicizing the EPA/NIOSH guidance document on diagnosis, correction, and prevention of IAQ problems in existing public and commercial buildings.	Guide released: 12/91. (See list of publications for information on availability.)	EPA/OAR/OAIAP/IAD	Betsy Agle (202) 233-9046 (FTS) 233-9046
Training on Indoor Air Issues	Identify issues and topics on which EPA can usefully offer training. Develop training on these topics and provide this training in ways that will reach appropriate audiences.	Ongoing. (See "IAQ Orientation Training" and *Building Air Quality* Training entries.)	EPA/OAR/OAIAP/IAD	Elissa Feldman (202) 233-9316 (FTS) 233-9316
Building Air Quality Training	Develop 1/2 day (4 hour) training course designed to address the needs of building owners and facility managers, but also helpful to many others. Course introduces prevention and management of indoor air quality problems and is a companion to *Building Air Quality: A Guide for Building Owners and Facility Managers.*	Course completed: 3/92. Organizations representing owners and managers are likely to use course as basis for series of seminars: 1992. Other distribution to be decided.	EPA/OAR/OAIAP/IAD	Scott Bowles (202) 233-9047 (FTS) 233-9047
Physician's Guide to Indoor Air Pollution	Provide guidance to practicing physicians about major indoor air pollutants, their sources and health effects, and appropriate control strategies. Also provide guidance on how to diagnose suspected IAQ-related complaints.	External review completed. Anticipated completion date: Spring 1992.	EPA/OAR/OAIAP/IAD	Elissa Feldman (202) 233-9316 (FTS) 233-9316
Headquarters Coordinator for Regional IAQ Contacts	Provide coordination and liaison between Regional Indoor Air contacts and the Indoor Air Division.	Ongoing.	EPA/OAR/OAIAP/IAD	Marie O'Neil (202) 233-9054 (FTS) 233-9054

2024720726

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Region I Program	Provide outreach and education on indoor air topics.	Schedule quarterly meetings with the New England IAQ workgroup. Awarded grant to MA Public Health Association to establish a New England IAQ steering committee, speakers bureau, and sponsorship of press conferences and conferences on IAQ issues: 1992. Awarded grant to RI Lung Association to develop RI indoor air resources directory: 1992. Conference for ice rink managers to be held: 3/92. IAQ Orientation course to be delivered: 1992.	EPA Region I (CT, MA, ME, NH, RI, VT)	Mary Beth Smuts (617) 565-3232 (FTS) 835-3232 Eugene Benoit (617) 565-9078 (FTS) 835-3232
Region II Program	Provide outreach and education on indoor air topics.	Grant to ALA for support of eight building owners and managers seminars to be held: 1992. Interagency agreement with Eastern Regional Radon Training Center to sponsor 4 IAQ training classes: 1992/1993. Provide information and outreach as requested.	EPA Region II (NJ, NY, PR, Virgin Islands)	Mindy Pansak (212) 264-6459 (FTS) 264-6459
Region III Program	Provide outreach and education on indoor air topics.	Establish Indoor Air Resource Center with training capability: 1/92. Training for state officials and building managers to be held in Philadelphia at Science Center: Spring 1992. Sick building seminar for Drexel University students: 2/92. Outreach to be held monthly for specific audiences including Better Breather Clubs, health professionals, and industry groups to be held: 1992.	EPA Region III (DE, MD, PA, VA, WV, DC)	Fran Dougherty (215) 597-8322 (FTS) 597-8322

2024720727

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Region IV Program	Provide outreach and education on indoor air topics.	Hold quarterly conference call for state and local government agencies. Schedule training for public officials: Summer 1992. Plan indoor air video and training for building managers: 1992. Publish directory of IAQ resources in the Region: 1992. Promote networking within states, especially Florida, Georgia/Atlanta.	EPA Region IV (AL, FL, GA, KY, MS, NC, SC, TN)	Henry Slack (404) 347-2864 (FTS) 257-2864
Region V Program	Provide outreach and education on indoor air topics.	Develop regional network: 1992. IAQ Orientation course deliveries scheduled: MN 1/92, OH 4/92, IL 5/92. Courses to be scheduled in MI, IN, and WI. IAQ outreach kit and brochure to be developed: FY 92.	EPA Region V (IL, IN, MI, MN, OH, WI)	Patricia York (312) 886-6035 (FTS) 886-6035
Region VI Program	Provide outreach and education on indoor air topics.	Network of Regional IAQ professionals established 10/91; next meeting: Spring 1992. State resource guides and compendium of IAQ case studies in region to be completed: 1992. IAQ Orientation courses for public officials scheduled in NM and AR 3/92, LA 6/92, TX 9/92. Public information and outreach activities begun 7/91; outreach continuing with emphasis on asthma campaign: 1992.	EPA Region VI (AR, LA, NM, OK, TX)	Carrie Ellison Bill Rundels Mike Miller (214) 655-7223 (FTS) 255-7223
Region VII Program	Provide outreach and education on indoor air topics.	IAQ Orientation course deliveries scheduled: MO 2/92, IA 6/92. Development of Region 7 network to be initiated: FY 92.	EPA Region VII (IA, KS, MO, NE)	Michael Marshall (913) 551-7604 (FTS) 276-7064
Region VIII Program	Provide outreach and education on indoor air topics.	Network development activities, coordination of training and outreach activities with the radon program, forums and seminars, responding to public inquiries planned: FY 92.	EPA Region VIII (CO, MT, ND, SD, UT, WY)	Patty Weimerskirch (303) 293-1709 (FTS) 330-1709

2024720728

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Region IX Program	Provide outreach and education on indoor air topics.	IAQ Orientation course deliveries planned for CA, NV, AZ, and HI: FY 92.	EPA Region IX (AZ, CA, HI, NV, American Samoa, Guam, Trust Territories of the Pacific)	Barbara Spark (415) 744-1132 (FTS) 484-1132
Region X Program	Provide outreach and education on indoor air topics.	Continuing support for IAQ Network in WA. IAQ Orientation course to be delivered in WA: 2/92; being planned for OR, ID, AK: 1993-1994. Establish AK IAQ Network: 3/92. Workshops for building managers to be scheduled: 1992.	EPA Region X (AK, ID, OR, WA)	Nancy Helm (206) 553-2589 (FTS) 399-2589
IAQ RESEARCH ACTIVITIES				
Program Management				
Issue Planner: ORD IAQ, Radon, and Electromagnetic Fields Research	Provide strategic direction to IAQ Research Program.	Ongoing.	EPA/ORD/OHR	Ken Sexton (202) 260-5900 (FTS) 260-5900
Matrix Manager: ORD IAQ Research Program	Identify and coordinate research needed to fill existing information gaps.	Ongoing.	EPA/ORD/OTTRS	Kevin Teichman (202) 260-7669 (FTS) 260-7669
Laboratory Coordinator, EPA IAQ Research Program	Laboratory coordination of EPA Indoor Air Research Program.	Ongoing.	EPA/ORD/AEERL	Gene Tucker (919) 541-2746 (FTS) 629-2746
Research Coordinator for the Committee on Indoor Air Quality (CIAQ)	Coordinate Federal government research efforts related to IAQ.	Ongoing.	EPA/ORD/OTTRS	Kevin Teichman (202) 260-7669 (FTS) 260-7669
Program Manager: Health Effects Research Laboratory's IAQ Research Program	Coordinate the health effects research studies of the indoor air program.	Ongoing.	EPA/ORD/HERL	Robert Dyer (919) 541-2760 (FTS) 629-2760
Headquarters Coordinator, EPA IAQ Health Effects Research	Headquarters coordination of EPA IAQ health effects research.	Ongoing.	EPA/ORD/OHR	Sue Perlin (202) 260-5877 (FTS) 260-5877

2024720729

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Program Manager: Air and Energy Engineering Research Laboratory's IAQ Research Program	Coordinate the emissions testing, modeling, chamber studies, and test-home studies of the indoor air program.	Ongoing.	EPA/ORD/AEERL	Gene Tucker (919) 541-2746 (FTS) 629-2746
Headquarters Coordinator, EPA IAQ Engineering Research	Headquarters coordination of EPA IAQ source characterization and mitigation research.	Ongoing.	EPA/ORD/OEETD	Marshall Dick (202) 260-2583 (FTS) 260-2583
Program Manager: Atmospheric Research and Exposure Assessment Laboratory's IAQ Research Program	Coordinate EPA IAQ methods development and large building studies research.	Ongoing.	EPA/ORD/AREAL	Ross Highsmith (919) 541-7828 (FTS) 629-7828
Headquarters Coordinator, EPA IAQ Monitoring Research	Headquarters coordination of monitoring research.	Ongoing.	EPA/ORD/OMMSQA	Dwight Hlustick (202) 260-5789 (FTS) 260-5789
Program Manager: Environmental Criteria and Assessment Office's IAQ Assessment Program	Coordinate ORD IAQ Assessment efforts.	Ongoing.	EPA/ORD/ECAO	Michael Berry (919) 541-4172 (FTS) 629-4172
Headquarters Coordinator, EPA IAQ Assessment Research	Headquarters coordination of ORD IAQ Assessment Research.	Ongoing.	EPA/ORD/OHEA	Jerry Moore (202) 260-7343 (FTS) 260-7343
Indoor Air Reference Bibliography	Maintain an extensive bibliography of reference materials on indoor air pollution.	Publication of bibliography containing over 4,500 citations. Published annually.	EPA/ORD/ECAO	Beverly Comfort (919) 541-4165 (FTS) 629-4165
ORD IAQ Research Activities Listing	Develop and maintain list of ORD IAQ activities.	Ongoing.	EPA/ORD/ECAO	Beverly Comfort (919) 541-4165 (FTS) 629-4165

2024720730

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Monitoring				
Low Cost Personal Monitoring Devices for Indoor Air	Develop and evaluate low cost, comfortable personal monitoring and sampling devices that can be worn during normal activities.	Lab evaluation of real time NO_2 monitor to be completed: 10/90. Passive sampling device for ozone developed: 6/90. Lab and field evaluation of ozone passive sampler completed: 12/90. Prototype ozone real time monitor fabricated: 6/90. Lab and field evaluation of prototype ozone monitor completed: 10/90.	EPA/ORD/AREAL	Jim Mulik (919) 541-3067 (FTS) 629-3067
Monitoring Methods and Devices for Retrieving Airborne Microorganisms	Design and construct an exposure room to develop a variety of monitoring methods and samplers to retrieve airborne microorganisms.	Ongoing.	EPA/ORD/EMSL-LV	Steve Hern (702) 798-2100 (FTS) 545-2100
Monitoring Support for Epidemiology Study of Asthmatics and Persons with Allergies	Provide monitoring support for a joint University of Arizona/EPA 300-home epidemiology study; assemble data on viable bacteria and fungi to which study participants are exposed.	Sample collection initiated: 7/90.	EPA/ORD/EMSL-LV	Steve Hern (702) 798-2100 (FTS) 545-2100
Portable Humidifiers Study	Evaluate the relationship between water quality used in humidifiers and the impact on indoor particle levels.	Series of journal articles published; additional articles scheduled for publication: 5/92.	EPA/ORD/AREAL	Ross Highsmith (919) 541-7828 (FTS) 629-7828
Sampling Methods for Semivolatile Organic Compounds (SVOCs) in Indoor Air	Design, develop, and evaluate an air sampler for SVOCs that is suitable in microenvironments.	Prototype samplers developed; series of reports and papers available.	EPA/ORD/AREAL	Nancy Wilson (919) 541-4723 (FTS) 629-4723
Methods for Chemical Characterization of Polar SVOCs in Indoor Air	Develop, evaluate, and improve methodology for the characterization of polar SVOCs.	Characterization of polar compounds ongoing; journal articles: 6/90, 9/90.	EPA/ORD/AREAL	Nancy Wilson (919) 541-4723 (FTS) 629-4723
VOCs in Indoor Exposures from Personal Activities (Field Study)	Identify personal activities which increase exposure to VOCs and other pollutants.	Ongoing.	EPA/ORD/AREAL	Ross Highsmith (919) 541-7828 (FTS) 629-7828
Indoor Dispersion/Ventilation Model	Investigate the use of the NIST general indoor air quality model in diagnosing sick buildings.	Ongoing.	EPA/ORD/AREAL	John Irwin (919) 541-4567 (FTS) 629-4567

20247207231

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Compendium of Indoor Air Quality Measurement Methods	Compile most commonly used IAQ measurement methods for technical guidance documents.	Published: 9/90.	EPA/ORD/AREAL	Ross Highsmith (919) 541-7828 (FTS) 629-7828
Methods for Sampling VOCs in Breath	Develop and improve methods for sampling VOCs in breath. Use canister for sampling very volatile VOCs and for single-breath samplings.	Ongoing. Report on method completed: 6/89. Pilot field study completed: 12/89. Portable breath sampling method developed: 9/90.	EPA/ORD/AREAL	Bill Nelson (919) 541-3184 (FTS) 629-3184
TEAM Study: Particle Study	Examine indoor concentrations of particle, (nicotine) and trace elements.	Monitoring instrument developed and tested. Data collection from 175 home studies completed. Data analysis underway. Reports and articles on earlier TEAM studies available.	EPA/ORD/OMMSQA	Lance Wallace (703) 349-8970 (703) 349-3110 (No FTS)
Indoor Air Study of 10 New Public Buildings	Measure indoor air concentrations of selected VOC's in 10 new non-complaint buildings. Assess emissions from selected common building materials.	Completed. Report available.	EPA/ORD/OMMSQA	Lance Wallace (703) 349-8970 (703) 349-3110 (No FTS)
Large Building Studies (In Support of BASE Program) (w/IAD)	Characterize indoor air environments in typical commercial office environments across the United States.	Initiated: FY 91. Draft field reports anticipated: FY 93 and FY 95.	EPA/ORD/AREAL	Ross Highsmith (919) 541-7828 (FTS) 629-7828
Development of Standardized Large Building Diagnostics and Mitigation Protocols (In Support of BASE Program) (w/IAD)	Develop standardized protocols for conducting large building diagnostics and approaches for developing and implementing mitigation strategies for buildings with indoor air concerns.	Initiated: FY 91. Draft report anticipated: FY 93; validation scheduled: FY 94.	EPA/ORD/AREAL (co-sponsored by OAR)	Ross Highsmith (919) 541-7828 (FTS) 629-7828
Analytical Methods for Airborne Microorganisms	Develop and improve analytical methods for characterizing indoor air microbiological aerosols.	Initiated: FY 91.	EPA/ORD/EMSL-CINTI	Al Dufour (513) 684-7218 (FTS) 684-7218
Characterization of VOCs Associated with Bioaerosol Contamination	Develop and validate methods for characterizing contribution of VOCs resulting from microbiological contamination.	Initiated: FY 91.	EPA/ORD/AREAL	Joachim Pleil (919) 541-4680 (FTS) 629-4680

2024720732

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Innovative Techniques for Characterizing and Modelling Bioaerosols	Develop real-time measurement techniques to characterize bioaerosol contamination and model growth and dispersion.	Ongoing.	EPA/ORD/EMSL-LV	Steve Hern (702) 798-2594 (FTS) 545-2594
Modelling and Analysis of Exposure to Consumer Products	Evaluate indoor air quality models through sensitivity analysis and comparison with experimental chamber data. Refine and apply models to evaluate the effects of reversible sinks on build-up and removal of indoor air pollutants.	Ongoing. Draft reports on model sensitivity and analysis of sink effects available.	EPA/ORD/EMSL-LV (co-sponsored by OPTS/OTS)	James Quackenboss (702) 798-2442 (FTS) 545-2442
Benzene Exposure Assessment Model (BEAM)	Utilize human activity pattern data combined with microenvironmental and ambient (indoor/outdoor) concentrations to estimate population distributions of exposure to benzene and related VOCs.	Ongoing. Interim reports available. PC-version being developed.	EPA/ORD/EMSL-LV	Joseph Behar (702) 798-2216 (FTS) 545-2216
Total Human Exposure Relational Database (THERDbase)	Provide database structures and programs to store and/or estimate and retrieve data on human activity patterns, infiltration rates, and microenvironmental concentrations for various pollutants and media. Use data in total human exposure modelling.	Ongoing.	EPA/ORD/EMSL-LV	Joseph Behar (702) 798-2216 (FTS) 545-2216
Health Effects Research				
Indoor Biocontaminants-Asthma and Allergy (Human)	Dose/response analysis of dust mites and other allergens in children.	Initiated: 10/91.	EPA/ORD/HERL	Hillel Koren (919) 966-6220 (No FTS)
Indoor Biocontaminants-Asthma and Allergy (Experimental Animal)	Develop animal model for studies of allergic responses to indoor biocontaminants.	Ongoing. Initiated: 1990.	EPA/ORD/HERL	MaryJane Selgrade (919) 541-2657 (FTS) 629-2657
Multiple Chemical Sensitivity	Perform clinical characterization of selected individuals to determine best objective measures.	Initiated: 1992.	EPA/ORD/HERL	Howard Kehrl (919) 966-6208 (No FTS)

2024720733

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Sick Building Syndrome-Test Method Development	Develop and/or validate objective indicators of sensory irritant, neurologic and immunologic effects applicable to SBS.	Ongoing. Initiated: 1989.	EPA/ORD/HERL	Hillel Koren (919) 966-6200 (No FTS)
Respiratory Irritant Properties of Indoor Products	Evaluate selected products for respiratory irritant properties.	Initiated: 1992.	EPA/ORD/HERL	Dan Costa (919) 541-2531 (FTS) 629-2531
Toxicological Effects of VOCs and VOC Mixtures in Animals	Evaluate the impact of selected VOCs and VOC mixtures on immune, respiratory, neurobehavioral and other systems.	Ongoing. Simple mixtures to begin: 1992.	EPA/ORD/HERL	Jane Ellen Simmons (919) 541-7829 (FTS) 629-7829
Exposure and Risk Assessment				
Risk Characterization Methodology for Indoor Carcinogens	Develop methodology to assess human health risks from specific categories of indoor air pollutants. Use the framework to compare the results of existing risk characterization studies.	Publication of risk characterization methodology; review of risk characterization studies: 3/91; indoor concentrations of environmental carcinogens: 1/91; methods of analysis for environmental carcinogens: 6/90.	EPA/ORD/ECAO	Michael Berry (919) 541-4172 (FTS) 629-4172
Risk Characterization Methodology for Non-Carcinogenic Pollutants and Multiple Pollutants	Development of non-cancer risk assessment methodology, and multiple pollutant strategy; assessment of indoor biocontaminants, survey of Federal, State, and local indoor air research and research needs.	Ongoing.	EPA/ORD/ECAO	William Ewald (919) 541-4164 (FTS) 629-4164
Assessment of Biological Contaminants in Indoor Environments	Prepare an information assessment of biological contaminants in indoor environments, including sources, monitoring methods, health effects, and mitigation techniques.	Study to be completed: 4/92.	EPA/ORD/ECAO	Beverly Comfort (919) 541-4165 (FTS) 629-4165
Data Analysis	Graphically represent indoor air pollution exposure data, compare indoor and outdoor pollution levels, and evaluate health effects data at various exposure levels.	Ongoing.	EPA/ORD/ECAO	Michael Berry (919) 541-4172 (FTS) 629-4172

2024720734

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
IAQ Study in EPA Headquarters Building	Use occupant surveys and indoor air monitoring to identify indoor air quality problems in selected buildings. Make appropriate recommendations for improving indoor air quality.	Completed. Occupant survey report (Volume I): 11/89. Air quality monitoring report (Volume II): 5/90. Report relating air quality monitoring and occupant survey (Volume III): 1/91. Additional analysis of occupant surveys (Volume IV): 9/91.	EPA/OARM/SHEMD EPA/ORD/OHEA	Jeff Davidson (202) 260-1640 (FTS) 260-1640 Hugh McKinnon (202) 260-5898 (FTS) 260-5898
Source Characterization and IAQ Control				
Chamber Studies of Organic Emissions from Material Sources	Develop methods for determining emissions from indoor materials/ products; evaluate the effects of environmental variables on emission rates; evaluate source modifications as IAQ control techniques.	Ongoing. ASTM Standard Guide on small chamber testing: 5/90; series of technical papers published.	EPA/ORD/AEERL	Bruce Tichenor (919) 541-2991 (FTS) 629-2991
Evaluation of Indoor "Sinks"	Determine the behavior of indoor materials that act as sinks for organic compounds; develop data that describe the rate at which organics are adsorbed by and re-emitted from indoor sinks.	Ongoing. Initial results presented in *Indoor Air*, Vol. 1, No. 1, 3/91.	EPA/ORD/AEERL	Bruce Tichenor (919) 541-2991 (FTS) 629-2991
Test House Studies of Indoor Sources and Sinks	Develop emissions testing procedures and models for organic compounds; investigate sources and sinks; compare these to chamber measurements.	Ongoing. Interaction of organic compounds with indoor sinks completed: 3/91; effects of building features on indoor air movements completed: 11/91.	EPA/ORD/AEERL	John Chang (919) 541-3747 (FTS) 629-3747
Bioresponse Methods for Source Characterization	Develop biological response-based tests (using humans, animals, or in vitro techniques) to evaluate potential health impacts of indoor sources.	Initiated: 1991.	EPA/ORD/AEERL	Gene Tucker (919) 541-2746 (FTS) 629-2746
Data Base of Indoor Air Pollutant Sources (DIAPS)	Maintain an up-to-date data base of indoor air source emissions.	Ongoing. Version 2.0 released: 8/89.	EPA/ORD/AEERL	James White (919) 541-1189 (FTS) 629-1189

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
IAQ Data Base for Organic Compounds	Compile data on measured concentrations of vapor-phase organic compounds in buildings into Lotus 1-2-3 data base.	Ongoing. Periodic update of data base completed: 1/90.	EPA/ORD/AEERL	Max Samfield (919) 541-1518 (FTS) 629-1518
Evaluation of IAQ Control Alternatives	Evaluate relative merits (cost and effectiveness) of methods for improving IAQ. Methods to be evaluated include low-emitting products, ventilation, and air cleaners.	Ongoing.	EPA/ORD/AEERL	Leslie Sparks (919) 541-2458 (FTS) 629-2458
Soil Gas Mitigation	Apply radon mitigation techniques to a house with an organic soil gas problem to determine if the same technique will also mitigate these problems. Determine air exchange rate in sufficient detail to be able to apply IAQ model to house.	Baseline data collected: FY 90. Collect data with mitigator system on and off: FY 91.	EPA/ORD/AEERL	James White (919) 541-1189 (FTS) 629-1189
Source Catalog	Provide a listing of sources of indoor air pollutants and possible source strengths.	Complete materials list for homes and offices and indicate which materials may be sources of indoor air emissions: FY 90. Identify constituent emissions for selected sources: FY 91.	EPA/ORD/AEERL	James White (919) 541-1189 (FTS) 629-1189
Biocontaminate Control	Determine the effect of RH, temperature, surface moisture, and biocides on biological contaminates in the indoor air.	Initiated: FY 92.	EPA/ORD/AEERL	John Chang (919) 541-3747 (FTS) 629-3747
IAQ Model	Develop an easy-to-use tool for assessing IAQ problems, conducting risk analysis, and evaluating control options.	Ongoing.	EPA/ORD/AEERL	Leslie Sparks (919) 541-2458 (FTS) 629-2458
Determination of Air Flows in Buildings	Develop low cost, easy-to-use methods for measuring air flows between rooms and HVAC, between rooms and outdoors, and other important indoor air flows (e.g., to exhaust fans).	Ongoing.	EPA/ORD/AEERL	Leslie Sparks (919) 541-2458 (FTS) 629-2458

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Technical Support to Program Offices	Provide short-term responses to requests from EPA program offices regarding emissions from indoor materials and products.	Ongoing. Report available on emissions of perchloroethylene from dry cleaned fabrics: 10/88; assessment of organics from Waterside Mall carpet and office partitions: 8/88; assessment of mercury from interior latex paint: 5/91.	EPA/ORD/AEERL	Bruce Tichenor (919) 541-2991 (FTS) 629-2991
Other Projects				
IAQ Questions for NHANES III	Add questions to NHANES study that will permit analysis of contribution of indoor air pollution sources to health problems identified in survey.	Ongoing.	EPA/ORD/OHEA	Sherry Selevan (202) 260-2604 (FTS) 260-2604
RADON ACTIVITIES **Program Management**				
Committee on Indoor Air Quality and Radon Workgroup (w/DOE)	Provide updates to the CIAQ on pending federal radon legislation, ongoing programs, and other issues.	Ongoing.	EPA/OAR/ORP	Dave Rowson (202) 260-9622 (FTS) 260-9622
Problem Assessment				
Comparison of Geology and Indoor Radon	Develop methodology to identify high radon potential areas.	Ongoing.	EPA/OAR/ORP	Sharon Wirth (202) 260-9615 (FTS) 260-9615
National Assessment of Radon Gas (SARA section 118(k))	Describe locations in the U.S. where radon is found, and assess levels in these structures. Determine the level of radon gas and radon daughters which poses a health threat, and assess the health threat for structures identified above. Determine methods of reducing or eliminating the human health threat of radon gas and radon daughters. Include guidance and public information materials on mitigating radon.	Completed.	EPA/OAR/ORP	Kirk Maconaughey (202) 260-9615 (FTS) 260-9615

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
National Residential Radon Survey	Estimate the frequency distribution of annual average radon exposures in U.S. homes using year-long measurements, and assess correlations between residential radon concentrations and various factors.	Ongoing.	EPA/OAR/ORP	Frank Marcinowski (202) 260-9615 (FTS) 260-9615
School Protocol Development Study	Collect data on radon and radon progeny concentrations in schools.	Completed.	EPA/OAR/ORP	Anita Schmidt (202) 260-9615 (FTS) 260-9615
Radon Measurement in Schools	Update and revise existing interim guidance to schools on measuring radon.	Ongoing.	EPA/OAR/ORP	Anita Schmidt (202) 260-9615 (FTS) 260-9615
Revisions to EPA Radon Measurement Protocols	Revise EPA Radon Measurement Protocols to include new methods for measuring indoor radon and radon decay products.	Ongoing.	EPA/OAR/ORP	Frank Marcinowski (202) 260-9615 (FTS) 260-9615
State/EPA Indoor Radon Survey	Help States identify areas where elevated radon levels (hot spots) may occur, and estimate the Statewide and regional frequency distribution of screening measurement results.	Ongoing. Forty states completed.	EPA/OAR/ORP	Jeff Phillips (202) 260-9615 (FTS) 260-9615
Workplace Protocol Development and Federal Buildings Surveys	Develop national protocols for measuring radon in workplaces. Oversee Federal agency radon studies.	Ongoing.	EPA/OAR/ORP	Anita Schmidt (202) 260-9615 (FTS) 260-9615
Federal Buildings Study	Oversee Federal agency radon surveys.	Report to Congress due: Spring 1992.	EPA/ORA/ORP	Anita Schmidt (202) 260-9615 (FTS) 260-9615
Mitigation and Prevention				
Model Standards and Techniques for Control of Radon in New Buildings	To develop model standards for use by builders in constructing radon resistant homes.	Ongoing. Draft for public comment expected: Spring 1992.	EPA/OAR/ORP	Dave Murane (202) 260-9623 (FTS) 260-9623

2024720738

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
State Mitigation Contractor Survey	Collect information on the size and nature of the radon mitigation and prevention industry, obtain information on the effectiveness of specific radon mitigation and prevention techniques and on the effectiveness of private sector efforts to reduce radon levels.	Completed. Report available.	EPA/OAR/ORP	John Hoornbeck (202) 260-9623 (FTS) 260-9623
Superfund Cooperative Project	Apply existing mitigation techniques to Superfund sites with high levels of radon in reduce human health risks.	Ongoing.	EPA/OAR/ORP	Gene Fisher (202) 260-9623 (FTS) 260-9623
Radon Mitigation Standards in Residences	Develop baseline performance standards for Radon Contractor Proficiency Program participants when installing mitigation systems.	Ongoing.	EPA/OAR/ORP	David Price (202) 260-9623 (FTS) 260-9623
Capability Development				
House Evaluation Program	Evaluate the cost and effectiveness of mitigation methods and provide hands-on demonstrations.	Ongoing.	EPA/OAR/ORP	David Price (202) 260-9623 (FTS) 260-9623
Education in Housing Industry on Radon in Homes	Educate the building industry on state-of-the-art radon mitigation and prevention techniques.	Ongoing.	EPA/OAR/ORP	Dave Murane (202) 260-9623 (FTS) 260-9623
New House Evaluation Program	Transfer technology for constructing radon resistant buildings to private sector, and provide data for the development of model building codes.	Ongoing. Interim report due: Spring 1992.	EPA/OAR/ORP	Dave Murane (202) 260-9623 (FTS) 260-9623
Radon Measurement Proficiency Program (RMP)	Test capabilities of companies measuring indoor radon, and provide the public with a mechanism for identifying qualified testing companies.	Ongoing.	EPA/OAR/ORP	Phil Jalbert (202) 260-9623 (FTS) 260-9623
	Evaluate individual contractors for proficiency in on-site measurement through written examination and provide the public with a list of proficient individuals.	To be started: 4/92.,	EPA/OAR/ORP	Lee Salmon (202) 260-9623 (FTS) 260-9262

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Radon Contractor Proficiency Program (RCPP)	Operate a voluntary proficiency program to evaluate the effectiveness of mitigation contractors.	Ongoing.	EPA/OAR/ORP	John Mackinney (202) 260-9605 (FTS) 260-9605
State Indoor Radon Grants (SIRG)	Provide grant funds to establish and expand radon programs.	Ongoing.	EPA/OAR/ORP	Sylvia Malm (202) 260-9617 (FTS) 260-9617
Regional Radon Training Centers	Develop information and provide training to Federal and State officials, private firms, and the public regarding health risks posed by radon. Demonstrate and teach methods of radon measurement and mitigation, and provide training and administer examinations as part of the Radon Contractor Proficiency and Radon Measurement Proficiency Programs.	Ongoing.	EPA/OAR/ORP	Lee Salmon (202) 260-9623 (FTS) 260-9263
			Eastern	Alan Appleby (908) 932-2582 (No FTS)
			Southern	Richard Shaughnessy (919) 749-4358 (No FTS)
			Midwest	William Angell (612) 624-5343 (No FTS)
			Western	Richard Beardmore (303) 491-6139 (No FTS)
Policy and Public Information				
Radon Education and Awareness for Health Workers	Inform health professionals about the risks associated with indoor radon.	Ongoing.	EPA/OAR/ORP	Mary Culler (202) 260-9617 (FTS) 260-9617
National Database of Indoor Radon Measurements	Prepare a database that will contain radon measurements from several EPA surveys.	Ongoing.	EPA/OAR/ORP	Sharon Wirth (202) 260-9615 (FTS) 260-9615
Update Citizen's Guide to Radon	Revise and update policy and guidance to homeowners on indoor radon.	Guide to be completed: Spring 1992.	EPA/OAR/ORP	Mike Walker (202) 260-9617 (FTS) 260-9617
d Council	Prepare and distribute Public Service Advertising on indoor radon including TV, radio and print.	TV, radio, and print PSAs nationwide.	EPA/OAR/ORP	Dennis Wagner (202) 260-9617 (FTS) 260-9617

2024720740

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Radon Action Week	Develop activities in support of National Radon Action Week.	Conducted in October of 1990 and 1992. Plans ongoing for 1992.	EPA/OAR/ORP	Kristy Miller (202) 260-9617 (FTS) 260-9617
Public Outreach (Local)	Work with national governmental and non-profit organizations to develop public information and outreach activities on indoor radon.	Ongoing.	EPA/OAR/ORP	Dennis Wagner (202) 260-9617 (FTS) 260-9617
Drinking Water				
Regulatory Proposal for Radionuclides in Drinking Water	Regulate radon levels in public drinking water supply.	Rules proposed: 7/18/91. Final rules anticipated: 4/93.	EPA/OW/OGWDW	Greg Helms (202) 260-8049 (FTS) 260-8049
Research on Radon Removal from Drinking Water	Assess effectiveness of radon removal techniques at point-of-entry into home and for community water supplies for both high and low concentrations of radon.	Research on removal of high levels of radon completed. Reports available. Research evaluating long-term removal in community supplies begun: 6/91.	EPA/ORD/RREL	Kim Fox (513) 569-7820 (FTS) 684-7820
Radon Research Activities				
HQ Coordinator, EPA Radon Research Programs	Headquarters manager and contact for EPA radon research program.	Ongoing.	EPA/ORD/OEETD	Marshall Dick (202) 260-2583 (FTS) 260-2583
Laboratory Coordinator: ORD Radon Research Program	Manage ORD Radon Research Program.	Ongoing.	EPA/ORD/AEERL	Mike Osborne (919) 541-4113 (FTS) 629-4113
Diffusive and Convective Radon Transport Through Concrete Slabs	Establish the range of radon transport resistances of concrete and identify concrete construction and treatment for enhanced radon resistance.	Ongoing.	EPA/ORD/AEERL	David Sanchez (919) 541-2979 (FTS) 629-2979
Radon Gas Movement Through Soils and Building Shell Components	Study soil gas movement through soil and foundation substructures in a chamber filled with radium laden soil.	Ongoing.	EPA/ORD/AEERL	Marc Menetrez (919) 541-7891 (FTS) 629-7891

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
The Influence of House Internal Dynamics on Radon Entry	Measure and model the effects of house dynamics (natural and mechanical) on the driving forces for radon entry.	Ongoing.	EPA/ORD/AEERL	Tim Dyess (919) 541-2802 (FTS) 629-2802
Durability of Radon Reduction Systems	Assess radon reduction performance and hardware durability of research and commercial radon mitigation installations.	Ongoing.	EPA/ORD/AEERL	Bruce Henschel (919) 541-4112 (FTS) 629-4112
Technology Transfer of Radon Research	Transfer knowledge of effective radon reduction techniques through established R&D communication channels of guidance manuals, special reports, and symposia.	Ongoing.	EPA/ORD/AEERL	Tim Dyess (919) 541-2802 (FTS) 629-2802
Evaluation of HVAC System Control for Radon Reduction in Schools	Determine the feasibility of using school HVAC systems for both radon reduction and improved indoor air quality.	Ongoing.	EPA/ORD/AEERL	Kelly Leovic (919) 541-7717 (FTS) 629-7717
Comparison of Active Soil Depressurization and HVAC System Control for Radon Reduction in Schools	Demonstrate both techniques in the same building to provide a direct comparison of radon reduction.	Ongoing.	EPA/ORD/AEERL	Kelly Leovic (919) 541-7717 (FTS) 629-7717
Demonstration of Radon Reduction Methods for Multi-family Housing	Demonstrate mitigation techniques unique to multi-family housing.	Ongoing.	EPA/ORD/AEERL	Marc Menetrez (919) 541-7981 (FTS) 629-7981
Evaluation of Active Soil Depressurization Exhaust Configurations to Cost-Effectively Reduce Exhaust Re-entrainment	Determine conditions under which exhaust might be discharged at grade level, considering exhaust re-entrainment, exposure of persons outdoors, and deposition of radon progeny.	Ongoing.	EPA/ORD/AEERL	Bruce Henschel (919) 541-4112 (FTS) 629-4112
Localized Pressurization Using a Residential Fan-coil Unit to Control Radon	Determine the feasibility of utilizing a typical residential furnace to reduce indoor radon levels in a new basement house.	Ongoing.	EPA/ORD/AEERL	Tim Dyess (919) 541-2802 (FTS) 629-2802

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Evaluation of Innovative Radon Barriers for New Construction	Develop improved passive radon-resistant new construction techniques by developing improved barrier technology.	Ongoing.	EPA/ORD/AEERL	Tim Dyess (919) 541-2802 (FTS) 629-2802
Radon Mitigation in Existing Houses - New Mexico	Assess the design and performance of mitigation systems for slab-on-grade and crawl space houses, with conditions representative of the Southwest.	Testing complete. Data analysis, report preparation underway.	EPA/ORD/AEERL	Bruce Henschel (919) 541-4112 (FTS) 629-4112
Evaluation of Existing Radon Mitigation Systems in Pennsylvania	Evaluate active soil depressurization systems in houses having poor subslab communication. Assess the durability of mitigation systems that have been operating for several years.	Completed. Report EPA-600/8-91-010 distributed.	EPA/ORD/AEERL	Bruce Henschel (919) 541-4112 (FTS) 629-4112
Radon Prevention in the Design and Construction of Schools and Other Large Buildings	Demonstrate cost-effective new construction techniques to prevent radon entry.	Ongoing.	EPA/ORD/AEERL	Chick Craig (919) 541-2824 (FTS) 629-2824
Applied R&D Effort to Refine EPA's Design Criteria for Submembrane Depressurization Systems in Crawl Space Houses	Determine conditions under which complete sealing of membrane and steps to improve suction distribution are required.	Ongoing.	EPA/ORD/AEERL	Bruce Henschel (919) 541-4112 (FTS) 629-4112
NAS Study	Examine the relationship of uranium miner data to homeowner exposure with respect to lung dosimetry.	Completed.	EPA/OAR/ORP	Susan Conrath (202) 260-9615 (FTS) 260-9615
Ambient Air Study	Investigate and document radon ambient air concentrations throughout the U.S.	Completed.	EPA/OAR/ORP	Anita Schmidt (202) 260-9615 (FTS) 260-9615
National School Radon Survey	To develop and conduct national school survey pursuant to Section 307 of IRAA.	Ongoing.	EPA/OAR/ORP	Lisa Ratcliff (202) 260-9615 (FTS) 260-9615
Policy and Program Evaluation				
Time-of-Sale Incentives for Radon Mitigation	Identify mitigation incentives for homeowners.	Ongoing.	EPA/OPPE/ERAB	Alan Carlin (202) 260-5944 (FTS) 260-5944

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Environmental Contaminants in Schools	Evaluate EPA's guidance to schools about asbestos, radon, and lead in drinking water.	Received draft final report: 7/90.	EPA/OPPE/ORME	Bill O'Neil (202) 260-5487 (FTS) 260-5487
Evaluation of EPA's Risk Communication Efforts	Produce and distribute materials regarding the effectiveness of EPA risk communication, including journal articles and EPA publications.	Ongoing. Selected titles: *Radon Risks: Attitudes, Perceptions and Actions*, EPA/230-04-89-049 August 89; *Alerting the Apathetic and Reassuring the Alarmed - Communicating About Radon Risk in Three Communities* EPA/230-08-88-036. Journal article: Winter 1990.	EPA/OPPE/ERAB	Ernestine Thomas (202) 260-5606 (FTS) 260-5606
TOXIC CHEMICALS/HOUSEHOLD PRODUCTS ACTIVITIES **Asbestos Activities**				
NESHAPs Regulations (section 112 of the Clean Air Act)	Protect public health from exposure to asbestos in ambient air.	Enforcement of several regulations including ones prohibiting manufacture of spray-on asbestos insulation and molded pipe insulation and requiring appropriate procedures for demolitions and renovations involving asbestos ongoing. Revisions to regulations under development.	EPA/OAR/OAQPS	Simms Roy (919) 541-5263 (FTS) 629-5263
Asbestos School Hazard Abatement Act (ASHAA) Loan and Grant Program	Conduct $52 million program to assist schools with greatest hazard and largest need to abate damaged or deteriorating asbestos.	Funded 2,672 school abatement projects involving more than $290 million in awards since 1985. Congress has reauthorized until 1995.	EPA/OPPTS/OPPT	Diane Sheridan (202) 260-3790 (FTS) 260-3790
Worker Protection Rule	Protect health of workers not covered by OSHA regulations.	First rule issued: 1987. Draft revisions under consideration.	EPA/OPPTS/OPPT	Mike Mattheisen (202) 260-7363 (FTS) 260-7363
Ban and Phase Out Rule	Intended to regulate new uses of asbestos and to phase out most other uses.	Final rule published: 7/89. Most of rule vacated by court order: 10/91. EPA response under consideration.	EPA/OPPTS/OPPT	Mike Mattheisen (202) 260-7363 (FTS) 260-7363
Publication of Guide to Performing Reinspections under the Asbestos Hazard Emergency Response Act (AHERA)	Provide guidance to schools on reinspection requirements under AHERA.	Available for distribution: 3/92.	EPA/OPPTS/OPPT	Betty Weiner (202) 260-3790 (FTS) 260-3790

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Publication of LEA's Designated Persons Self-Study Guide	Provide guidance to school designated persons to assist in compliance with AHERA.	Publication expected: Summer 1992.	OPPTS/OPPT	Diane Sheridan (202) 260-3790 (FTS) 260-3790
Asbestos-Containing Materials in Schools Rule	Protect public health in schools.	Enforcement of rule promulgated in 1987.	EPA/OPPTS/OPPT	Diane Sheridan (202) 260-3790 (FTS) 260-3790
Report to Congress on Asbestos in Public and Commercial Buildings	Assess magnitude of problem and make recommendations.	Report available: 2/89. EPA is addressing report recommendations.	EPA/OPPTS/OPPT	Joe Schechter (202) 260-3949 (FTS) 260-3949
Lead Activities				
National Implementation Plan for Reducing Lead Poisoning (w/CDC and HUD)	Develop a national integrated plan (requested by Congress and coordinated with CDC and HUD) for the elimination of childhood lead poisoning primarily through the abatement of lead-based paint in housing.	Draft report is being prepared. Report scheduled for completion: Summer 1992.	EPA and CDC and HUD	Brion Cook (202) 260-1878 (FTS) 260-1878
Comprehensive Abatement Performance Study	Evaluate the long-term efficacy of abatements techniques used by HUD in their Federal Housing/Administration Demonstration Project.	Sample collection for a pilot study conducted: 5/91. Data collection efforts scheduled to begin: Spring 1992.	EPA/OPPTS/OPPT	John Schwemberger (202) 260-7195 (FTS) 260-7195
Repair and Maintenance Study	Evaluate efficacy of Maryland abatement practices and alternative low-cost repair and maintenance approaches to reducing household exposure to paint and dust.	Sample collection for a pilot study conducted: 5/91. Data collection efforts scheduled to begin: Spring 1992.	EPA/OPPTS/OPPT	Susan Dillman (202) 260-5375 (FTS) 260-5375
Encapsulation Efficacy	Develop protocols for assessing lead-based paint encapsulant performing products in reducing lead exposure in residential structures.	Interim ASTM standards scheduled for completion: Summer 1992.	EPA/OPPTS/OPPT	Randall Cramer (202) 260-3989 (FTS) 260-3989
Laboratory Accreditation (w/NIOSH)	Develop components for the establishment of a laboratory accreditation program.	Proficiency testing program for lead determinations in paint is scheduled for completion: 12/92.	EPA/OPPTS/OPPT	Joseph Breen (202) 260-3569 (FTS) 260-3569

2024720745

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Role-Specific Training Course Development	Develop model training course curricula for lead-based paint inspectors, abatement supervisors, and workers.	Inspector and supervisor courses scheduled for completion: Spring 1992. Worker course scheduled for completion: 12/92.	EPA/OPPTS/OPPT	Michelle Price (202) 260-3372 (FTS) 260-3372
Regional Lead Training Centers	Establish network of five university-based training centers to train abatement professionals.	Five consortial groups selected to develop centers. Each center has lead institution with various consortial members from labor, non-profits, and community groups. Training to be offered: 7/92.	EPA/OPPTS/OPPT	Todd Rinck (202) 260-7986 (FTS) 260-7986
Primary Prevention Guidance Booklet	Develop a program guide for local communities to establish programs designed to prevent childhood lead poisoning.	Scheduled for completion: 9/92. Guidance booklet for families on reducing exposure to lead in the home drafted; draft will be distributed for comment to homeowners in the Denver, CO area whose homes have been selected by the Comprehensive Abatement Performance Study (CAPs) for retesting during March/April 1992.	EPA/OPPTS/OPPT	Edith Sterrett (202) 260-8480 (FTS) 260-8480
Abatement Debris Study	Prepare a report on the applicability of RCRA to waste generated from lead-based paint abatements.	Report was requested by Congress. Report submitted to OMB: 5/91. A follow on study is underway; report planned: Summer 1992.	EPA/OPPTS/OPPT	Melinda Pearce (202) 260-3397 (FTS) 260-3397
National Conference on State Legislatures Directory Project	Compile a database and directory of contacts in state agencies with lead-related programs.	All contacts have been established; final draft scheduled for completion: 3/92.	EPA/OPPTS/OPPT	John Heisler (202) 260-7269 (FTS) 260-7269
Forum on State and Tribal Toxics Action (FOSTTA) Lead Workgroup (w/CDC and HUD)	Serve as a mechanism for state agencies and tribal organizations to exchange information on lead issues and programs with each other as well as with EPA.	Workgroup has been established. Topics for discussion include: lead accreditation issues; state and federal lead legislation; technical issues surrounding lead-based paint abatement; and role of the states in the implementation of federal lead strategies.	EPA/OPPTS/OPPT (cosponsored w/CDC and HUD)	John Heisler (202) 260-7269 (FTS) 260-7269

2024720746

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Personnel Accreditation	Develop the components of a model state accreditation plan that will ensure that individuals involved in lead abatement are properly trained.	Model state accreditation plan under development.	EPA/OPPTS/OPPT	Michelle Price (202) 260-3372 (FTS) 260-3372
Public Education and Outreach	Provide information on the risks of exposure to lead and ways in which individuals can lessen their exposure.	Working with the Council on Environmental Quality (CEQ) on an education initiative to help prevent lead poisoning in children. Developing an EPA brochure/poster for parents and day care providers.	EPA/OPPTS/OPPT	Gina Bushong (202) 260-3790 (FTS) 260-3790
National Lead Hotline and Information Clearinghouse	Provide basic and detailed information to both the general public and technical communities. Reports and guidance will be available.	Working with the Interagency Taskforce on Lead-based Paint to develop the scope of work for the project. Contract vehicle has been identified. Goal is to have the system operating: 7/92.	EPA/OPPTS/OPPT	Todd Rinck (202) 260-7986 (FTS) 260-7986
Other Chemicals/Sources				
Formaldehyde/Pressed Wood Products	Assess risk. Identify and implement mitigation measures, if appropriate.	Updating risk assessment completed in 1987. EPA considering options for risk management of pressed wood emissions.	EPA/OPPTS/OPPT	George Semeniuk (202) 260-2134 (FTS) 260-2134
Indoor Air Pollutants from Household Product Sources	Identify and measure levels of 25 volatile organic compounds in over 1,100 household products.	Final report completed. Publication number: EPA 600/4-91/025.	EPA/OPPTS/OPPT (cosponsored w/EMSL-LV)	James Quackenboss (702) 798-2442 (FTS) 545-2442 Janet Remmers (202) 260-1583 (FTS) 260-1583
Indoor Air Source Characterization Project (w/IAD)	Characterize emissions from materials used indoors and determine their impact on indoor air quality.	In progress.	EPA/OPPTS/OPPT (joint lead w/IAD)	Christina Cinalli (202) 260-3913 (FTS) 260-3913 Pauline Johnston (202) 233-9051 (FTS) 233-9051

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Indoor Air Cluster Project	Collect existing data on chemicals in consumer/commercial products to identify sources of indoor air pollutants for near term examination under the Existing Chemicals Program.	Ongoing.	EPA/OPPTS/OPPT	Christina Cinalli (202) 260-3913 (FTS) 260-3913
Carpet Workgroup (w/IAD and ORD)	Coordinate assessment of the risk of chemicals emitted from carpets and options for reducing those risks. (Many of the activities of this workgroup have been subsumed under the Carpet Policy Dialogue and its follow-up activities, see below.)	Action plan announced: 4/90. Details of the plan are described in EPA response to a union petition regarding carpet, *Federal Register* 4/91. Report on low emitting carpet installation study available; report about the feasibility of conducting an epidemiology study of populations exposed to carpet emissions under review.	EPA/OPPTS/OPPT	Jeffrey Davidson (202) 260-1650 (FTS) 260-1650 James Darr (202) 260-1650 (FTS) 260-1650
Carpet Policy Dialogue (w/IAD and ORD)	Develop standardized test method to measure TVOC emissions from carpet floor covering materials; obtain voluntary commitments from industry to characterize TVOC emissions from carpet products; review carpet manufacturing process and installation practices to identify feasible ways to reduce VOC emissions; inform public about carpet emissions and floor covering materials.	Concluded activities: 9/91. Products: standardized TVOC test method; three consensus agreements for industry testing programs; four memoranda of understanding between EPA and the affected industries to formalize testing programs, compilation of process engineering information and recommendations to reduce VOC emissions; a compendium report summarizing Dialogue activities; and a public information brochure about indoor air quality and new carpet. Data from the voluntary industry testing programs to be submitted to EPA's TSCA Carpet Emissions Administrative Record as it becomes available. EPA will conduct technical evaluation of the industry test results.	EPA/OPPTS/OPPT	Richard Leukroth (202) 260-1832 (FTS) 260-1832

2024720748

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000

ISSUE/MAJOR ACTIVITY	PURPOSE	STATUS	LEAD AGENCY/OFFICE	CONTACT
Integrated Chlorinated Solvents Workgroup (w/CPSC, OSHA, and FDA)	Coordinate interagency assessment of key policy issues regarding uses of 4 major solvents. Identify regulatory and non-regulatory options to reduce exposure. Risk management options selection of dry cleaning (perchloroethylene) completed: 1987. Follow-up work on identifying potential opportunities for reducing risks to consumers from dry cleaning in process. Metal cleaning work (not an IAQ problem) completed: 1988.	CPSC required labelling of methylene chloride products and is currently evaluating the efficiency of such labelling. EPA published a *Federal Register* notice summarizing federal government activities in this area: Spring 1991.	EPA/OPPTS/OPPT	Paul Campanella (202) 260-3946 (FTS) 260-3946
Exposure Assessment Activities				
Multi-Chamber Concentration and Exposure Model (MCCEM)	Computer software tool for assessing inhalation exposure to airborne concentrations of chemicals released from sources of indoor air pollution using air infiltration and interzonal airflow rates for user-selected or user-designed residences.	Report available.	EPA/OPPTS/OPPT	Pat Kennedy (202) 260-3916 (FTS) 260-3916 James Quackenboss (702) 798-2442 (FTS) 545-2442
PFT (perfluorocarbon tracer) Data Base	Improve methods for modeling exposure to contaminants in indoor air in homes.	Extensive data set of air exchange rates and interzonal air flows in homes completed: 1990.	EPA/OPPTS/OPPT	Pat Kennedy (202) 260-3916 (FTS) 260-3916
Tests of Indoor Air Quality Sinks	Conduct experiments in room-sized test chamber to evaluate reversible sink effects of materials, including carpet, drapes and furniture, on indoor air concentrations.	Preparing final report. Anticipated release date: Summer 1992.	EPA/OPPTS/OPPT (cosponsored w/EMSL-LV)	James Quackenboss (702) 798-2442 (FTS) 545-2442 Janet Remmers (202) 260-1583 (FTS) 260-1583
Household Products Composition and Usage Surveys	Compile data base on use and compositions of household products and activities. Six solvents identified: methylene chloride, trichloroethylene, carbon tetrachloride, perchloroethylene, and 1,1,2-trichlorotrifluoroethane.	Report available.	EPA/OPPTS/OPPT	Susan Dillman (202) 260-5375 (FTS) 260-5375

2024720749

Source: https://www.industrydocuments.ucsf.edu/docs/gmbl0000